

## ABSTRACT

In accordance with the present invention, an implantable pump is programmed non-invasively by means of a programmer that communicates flow rate information by means of radio frequency telemetry or other methods of non-invasive telemetry. The programmer also supplies power to the implantable pump during programming. The implanted rate-adjustable pump that receives rate information and power by telemetry preferably does not include a battery or any other type of internal power supply, relying only on the energy obtained from the programmer through telemetry.